AMENDMENT NO. 1 SEPTEMBER 2012
TO
IS 15259 : 2002 INSTALLATION AND MAINTENANCE OF HOME LIFTS — CODE OF PRACTICE

(*Page* 1, c*lause* **1.1**) — Substitute the following for the existing clause:

'**1.1** This standard deals with lifts specifically designed for a private home up to 4 stops (maximum rise of 12m), where the usage of the lift is restricted to primarily to residents of the private home. Unlike conventional lifts which allow virtually unlimited access to members of the general public, in case of home lifts, non-residents shall have limited access in exceptional circumstances and only under the supervision of the residents of the private home.'

(*Page* 1*, clause* **2**) — Insert the following at the end of list:

IS No.	*Title*
'14671 : 1999	Code of practice for installation and maintenance of hydraulic lifts
15785 : 2007	Installation and maintenance of lift without conventional machine rooms — Code of practice'

[*Page* 1*, clauses* **3.1** (a) *and* (b)] — Substitute the following for the existing*:*

'a) Usage of the lift restricted primarily to the residents of a private home;

b) Special facilities to meet the needs of elderly and differently abled persons, including wheelchair users;'

(*Page* 1*, clause* **4.3**) — Substitute the following for the existing clause:

'**4.3** The residents of the private home shall ensure that the access to the home lift is protected from unauthorized use.'

(*Page* 1*, clause* **5**) — Substitute the following for the existing clause:

‘5 DESIGN OF HOME LIFTS

A Home lift as stipulated in **3.1** shall have a load capacity of not less than 204 kg (3 passengers) and not more than 272 kg (4 passengers) and car speed not exceeding 0.2mps and components as described below is recommended.’

(*Page* 1*, clause* **5.1**) —_Substitute the following for the existing clause:

‘5.1 Lifting mechanism could be,

a) a simple drum type machine using a single-phase electric motor installed directly in the hoistway or in a suitable protected place;
b) a traction machine placed in the hoistway or in a suitable protected place (elevator shall be as per the provisions of IS 15785); and
c) a hydraulic jack driven by a pump transmitting hydraulic fluid (elevator shall be as per the provisions of IS 14671).

(*Page* 2*, clause* **5.3**) —_Substitute the following for the existing clause:

‘**5.3 Controller**

Microprocessor controller with ac variable voltage variable frequency inverter shall be provided**.’**

(*Page* 2*, clause* **5.7.3**) — Substitute the following for the existing clause:

‘**5.7.3** The overhead dimension shall not be less than 2 900 mm provided that the top clearance from the highest point of the car shall not be less than 225mm when the car is at the top terminal landing**.’**

(*Page* 2, *clause* **5.7.3**) — Insert **5.7.4** after **5.7.3**:

‘**5.7.4** The pit depth shall be such that when the car (or counterweight when applicable) is resting on a fully compressed buffer, the free distance between the pit floor (or any equipment installed in the pit) and the lowest point of the car shall not be less than 50mm.

If a minimum clear space of 500mm is not available under the platform when at its lowest position, a manually positioned mechanical blocking device shall be provided to enable the platform to be held in a raised position and to create a free distance of at least 500mm between the floor of the pit and the lowest parts of the lift car. If a counterweight is provided such device shall also be made available for the counterweight.'

(*Page* 2*, clause* **5.9.1**) — Substitute the following for the existing clause:

'**5.9.1** *Precaution Against Free Fall*

To prevent the lift car (and counterweight when accessible spaces exist below the pit) from free fall, emergency stop equipment shall be provided which can automatically come into action. The equipment shall also control the falling of the lift when the rope loosens (slack rope safety) when applicable.'

(ETD 25)

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